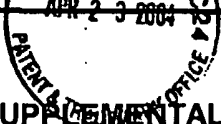


PTO/SB/08A				
<b>SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>			<b>Complete if Known</b>	
Use as many sheets as necessary)			Application Number	10/002,292
			Filing Date	November 15, 2001
			Confirmation Number	2146
			First Named Inventor	Brian Ward et al.
			Group Art Unit	1637
			Examiner Name	Kenneth R. Horlick
Sheet 1	of 1	Attorney Docket No.	SGM 6938.1	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code <sup>2</sup> (if known)		
RA	53	6,258,533	B1	Jones — CL/Sub	07-01-2001
OTHER ART - NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.			
RA	54	International Preliminary Examination Report dated March 15, 2004, International Application Serial No. PCT/US02/30943			

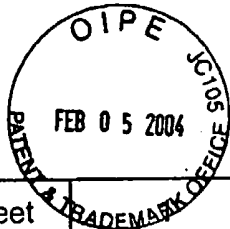
Examiner Signature	HORLICK	Date Considered	10/5/04
-----------------------	---------	--------------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached or place an "A" here if English language abstract is attached.

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08A		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	10/002,292
		Filing Date	November 15, 2001
		Confirmation Number	
		First Named Inventor	Brian Ward, et al.
		Group Art Unit	
		Examiner Name	
Sheet 1	of 4	Attorney Docket No.	SGM 6938.1



### U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code <sup>2</sup> (if known)		
RJA	1	6,140,086		Fox, et al. —	10-31-2000
	2	5,856,144		Mierendorf, et al. —	01-05-1999
	3	5,744,306		Murtagh, Jr., et al. —	04-28-1998
	4	5,683,869		Shaw, et al. —	11-04-1997
	5	5,688,669		Murtagh —	11-18-1997
	6	5,659,027		Spielvogel, et al. —	08-19-1997
	7	5,604,098		Mead, et al. —	02-18-1997
	8	5,595,895		Miki, et al. —	01-21-1997
	9	5,594,115		Sharma —	01-14-1997
	10	5,580,759		Yang, et al. —	12-03-1996
	11	5,523,221		Weiner —	06-04-1996
	12	5,518,900		Nikiforov, et al. —	05-21-1996
	13	5,518,901		Murtagh —	05-21-1996
	14	5,487,993		Hermstadt, et al. —	01-30-1996
	15	5,284,933		Dobeli, et al. —	02-08-1994

Examiner Signature	HORLICK	Date Considered	10/5/04
--------------------	---------	-----------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231.

PTO/SB/08A		<b>Complete if Known</b>		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	10/002,292	
		Filing Date	November 15, 2001	
		Confirmation Number		
		First Named Inventor	Brian Ward, et al.	
		Group Art Unit		
		Examiner Name		
Sheet	4	of	Attorney Docket No.	SGM 6938.1



*CL/Sub*

16	5,310,663	Dobeli, et al.	05-10-1994
17	5,260,427	Spielvogel, et al.	11-09-1993
18	5,075,227	Hagen	12-24-1991
19	4,851,341	Hopp, et al.	07-25-1989
20	4,800,159	Mullis, et al.	01-24-1989
21	4,683,195	Mullis, et al.	07-28-1987
22	4,683,202	Mullis	07-28-1987
23	4,682,195	Yilmaz	07-21-1987
24	4,569,794	Smith, et al.	02-11-1986
25	4,532,207	Brewer, et al.	07-30-1985
26	4,521,509	Benkovic, et al.	06-04-1985

### FOREIGN PATENT DOCUMENTS

### OTHER ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
RAA	27	OKADA, ET AL., Efficient directional cloning of recombinant adenovirus vectors using DNA-protein complex, Nucleic Acids Research, 1998, 26(8):1947-1950	
RAA	28	WONG, ET AL., A novel method for producing partial restriction digestion of DNA fragments by PCR with 5-methyl-CTP, Nucleic Acids Research, 1997, 25(20):4169-4171	

Examiner Signature	HORLICK	Date Considered	10/5/04
--------------------	---------	-----------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231.

PTO/SB/08A		<b>Complete if Known</b>			
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	10/002,292		
		Filing Date	November 15, 2001		
		Confirmation Number			
		First Named Inventor	Brian Ward, et al.		
		Group Art Unit			
		Examiner Name			
Sheet	3	of	4	Attorney Docket No.	SGM 6938.1

92A	29	HSIAO, Exonuclease III induced ligase-free directional subcloning of PCR products, Nucleic Acids Research, 1993, 21(23):5528-5529	
	30	MEAD, ET AL., A universal method for the direct cloning of PCR amplified nucleic acid, Bio/Technology, 1991, 9:657-663	
	31	MARCHUK, ET AL., Construction of T-vectors, a rapid and general system for direct cloning of unmodified PCR products, Nucleic Acids Research, 19(5):1154	
	32	HOLTON, ET AL., A simple and efficient method for direct cloning of PCR products using ddT-tailed vectors, Nucleic Acids Research, 1990, 19(5):1156	
	33	PUTNEY, ET AL., A DNA fragment with an $\alpha$ -phosphorothioate nucleotide at one end is asymmetrically blocked from digestion by exonuclease III and can be replicated <i>in vivo</i> , 1981, 75(12):7350-7354	
	34	PELHAM, ET AL., Eur. J. Biochem, 1976, 67:247	
	35	UHLEN, ET AL., Gene, 1983, 23:369	/
	36	SASSENFELD, ET AL., Bio Technology, 1984, 2:76	/
	37	MELTON, ET AL., Nucleic Acid Res., 1984, 12:7035	/
	38	EVAN, ET AL., Mol. Cell. Biol., 1985, 5:3610-3616	/
	39	LABEIT, ET AL., A new method of DNA sequencing using deoxynucleoside alpha-thiotriphosphates, DNA, 1986, 5(2):173-177	/
	40	DYATKINA, ET AL., Terminating substrates of DNA polymerases: synthesis and functional study, Nucleic Acids Symp. Ser., 1987, 18:117-120	/
	41	LABEIT, ET AL., Meth. Enzymol., 1987, 155:166	/
92A	42	NAKAMAYE, ET AL., Direct sequencing of polymerase chain reaction amplified DNA fragments through the incorporation of deoxynucleoside alpha-thiotriphosphates, Nucl. Acids Res., 1988, 16(21):9947-9959	

Examiner Signature	HORLICK	Date Considered	10/5/04
--------------------	---------	-----------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

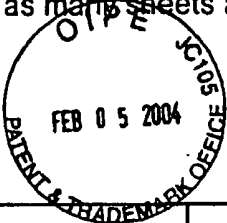
<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231.

PTO/SB/08A

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)



Complete if Known

Application Number	10/002,292
Filing Date	November 15, 2001
Confirmation Number	
First Named Inventor	Brian Ward, et al.
Group Art Unit	
Examiner Name	

Sheet	4	of	4	Attorney Docket No.	SGM 6938.1
-------	---	----	---	---------------------	------------

43	HOPP, ET AL., Biotechnology, 1988, 6:1204	
44	SMITH, ET AL., Gene, 1988, 67:31	
45	SAIKI, ET AL., Science, 1988, 239:487-491	
46	PRICKETT, ET AL., Bio Techniques, 1989, 7:580	
47	KOLODZIEJ, ET AL., Methods Enzymol., 1991, 194:508-519	
48	KALUZ, ET AL., Nucleic Acids Research, 1992, 20:4369-4370	

 Examiner  
Signature

HORLICK

 Date  
Considered

10/5/04

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231.